Mo450030 TaskID#3847 cc: leslie Wayne

April 7, 2011

Paul B. Baker Mining Program Manager State of Utah Department of Natural Resources Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P.O. Box 145801 Salt Lake City, Utah 84114-5801

RE: M0450030 Cargill Salt Reclamation Surety Cost Estimate

Dear Mr. Baker,

Per your November 10, 2010 letter to Ryan Doherty requesting a revised reclamation surety using spreadsheets developed by the Division, we are submitting the enclosed hard copy print-outs of the revised estimate as well as an e-mail with electronic versions of the spreadsheets.

Although Cargill has made no changes to our facility since preparation of the previous cost estimate, the level of detail required by the new forms necessitated a thorough review of our operations. Based on guidance from Leslie Heppler and Wayne Western, we have included a number of items that do not appear to have been detailed in the previous reclamation cost estimate, such as concrete building footings, aboveground storage tanks, and rail spur removal. We appreciate the deadline extension granted by Ms. Heppler, and the assistance Ms. Heppler and Mr. Western provided in navigating the new forms.

Following approval of the revised reclamation surety, we will prepare and submit an updated Reclamation Contract. Please contact me at (435) 884-4154, or Teri Peterson or ERM at (801) 595-8400, with questions or comments.

Sincerely

Joseph Recor,

EHS Sr. Professional

cc: Leslie Heppler, DOGM Teri Peterson, ERM

APR 1 4 2011

Bonding C	alculations
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Direct Costs				

Subtotal Demolition and Removal	\$1,655,625.20
Subtotal Backfilling and Grading	\$558,517.18
Subtotal Revegetation	\$79,375.00
Direct Costs	\$2,293,517.38

Indirect Costs		
Mob/Demob	\$229,352.00	10.0%
Contingency	\$114,676.00	5.0%
Engineering Redesign	\$57,338.00	2.5%
Main Office Expense	\$155,959.00	6.8%
Project Management Fee	\$57,338.00	2.5%
Subtotal Indirect Costs	\$614,663.00	26.8%

## Total Cost 2011 \$2,908,180.38

Number of years	5
Escalation factor	0.017
Escalation	\$255 744 00

Reclamation Cost Escalated	\$3,163,924,38

Bond Amount (rounded to nearest \$1,000)	\$3,164,000.00
2016 Dollars on 2500-Acres Permitted/Bonded Area	

Posted Bond	\$2,100,200.00

Difference Between Cost Estimate and Bond	-\$1,063,800.00
Paraent Difference	

Ref.	SUMMARY OF DEMOLITION	Materials	Means Reference Number	Unit Cost	Unit	Swell Factor	Quantity	Unit	Cost
	Cinderblock structures						1		52,625
	Steel structures								241,382
	Mixed material buildings								1,091,933
	Remaining structures		Andrew Committee of the						79,082
	Concrete		A Section of the sect			100	-		40,605
	Utilities							9-7	150,000
				45					
									1,655,625

Ref.	Description	Materials	Means Reference Number (2011)	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Cinder Block bldgs	Cinder Block						İ												1 50
	Truck Loading/Office (Plot B)		02 41 16.13 0080	0.33	CF	108.00	34.00	20.00										73,440.0	0 CF	24,235
	Bag Storage Building (Plot B)		02 41 16.13 0080		CF	80.00				-			170	127				66,000.0	0 CF	21,780
	Washplant Control Room (Plot D)		02 41 16.13 0080	0.33	CF	10.00	10.00	10.00										1,000.0	0 CF	330
	Fire/Process Water Pump Station (Plot B)		02 41 16.13 0080	0.33	CF	10.00	10.00					1						1,000.0	0 CF	330
	Secondary Containment (fuel tank - plot A)		02 41 16.13 0080	0.33	CF	40.00	15.00	4.00	1000									2,400.0	0 CF	792
	Pump Station (Pump P-4)		02 41 16.13 0080	0.33	CF	16.00	16.00	4.00										1,024.0	0 CF	338
	Pump Station (Pump P-5)		02 41 16.13 0080	0.33	G CF	16.00	10.00	5.00										800.0	0 CF	338 264
	Deduct 50% no interior walls (Note 3)																			-11748
	32 miles to Tooele County Landfill											130117								
	Total Volume of Materials	BEALT SERVICE SERVICES	The same		1									M. T. LE				145,664.0	0 CF	
	Volume of Debris									- 3	1						0.3	43,699.2	0 CF	THE REAL PROPERTY.
	Weight of Debris (Note 1)										100000	1	7	0		lb/cf		1,529.4	7 Tons	
W.	No. of Trips - 16 Tons			14	1.00						1 4 5 5	100						9	6 Trip	
	Round trip haul time (beyond 20 miles assumed	by means)	E Dy A	0.50	HR			100	PARTIES.			1 3	3015			E Local		15	1	
(Oc	Haul to Tooele County Landfill	Truck Dump 16 Ton Payload	Note 4	137.50	Day													23.9	0 Day	3,286
199	Truck Driver	Truck driver, Heavy	Trhy	52.2	HR											X Die		47.8	0 HR	2,497
	Disposal Costs @ Tooele County Landfill (Note	2)		6.50	\$/CY		1500	0.54	-192-1				- CK-IK					1,618.4	9 CY	10,520
			- 199																	
	Subtotal																			52,625
	Total	7.527.7																		52,625

Note 1: Material densities based on Central Contra Costa Solid Waste Authority Weight Conversion Table (http://www.wastediversion.org/files/managed/Document/230/Weight-Conversion-Table%20\_Generic.pdf).

Note 2: Disposal costs based on quote from Tooele County Landfill for C&D debris; February 2011.

Note 3: The truck loading/office is the only building/structure with interior walls. For the remaining buildings/structures, 50% was deducted.

Note 4: Based on RS Means equipment rental costs for 16 ton, three axle dump truck, 12 CY payload, 400 HP; per DOGM using monthly rent/176 hrs/mo to obtain hourly rate (\$17.19/hr).

	Materials	Means Reference Number (2011)	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
Steel Structures			-1 1/2								THE STATE OF								
Rail Loading/Rail Scale (Plot B)		02 41 16.13 0020		1 CF	350	0 5	0 3	0			THE PARTY OF						525,000.00		162,75
Conex Storage Box (2) (Plot B and L	0)	02 41 16.13 0020	0.31	1 CF	40	0	8	8						2	2		2,560.00		1,58
Truck Scale (Plot B)		02 41 16.13 0020		1 CF	110	0 1	0	4									4,400.00		1,36
Longbelt and Stacker (Plot C)		02 41 16.13 0020		1 CF	50			0									30,000.00		9,30
Deicing salt truck loading (Plot F)		02 41 16.13 0020		1 CF	20			3	No.				- ENGL		LIN'S		6,440.00		
Grizzly (Screener) (Plot C)		02 41 16.13 0020		1 CF	20	0 2	20 2	0					100				8,000.00		2,480
Washplant (Plot D)		02 41 16.13 0020	0.31	1 CF	60	0 2	20 3	0									36,000.00	CF	11,16
Material Breakdown								1	1988					1					
Steel			1000															33000	117
39 miles to Western Metals			774.					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								1 8 13	B. A. A. Great	7.0	
Total Volume of Materials	7 199 7 12	200											1 6 1 41				612,400.0	CF	
Volume of Debris		DEFENDED TO									172		100			0.3			
Weight of Debris (Note 2)		THE RESIDENCE OF THE PARTY OF T				200					1000	35			lb/cf		3,215	Tons	
No. of Trips - 16 Tons											17.75		TILL I				201	Trip	
Round trip haul time (beyond 20 miles a	assumed by means)		0.50	HR							1	THE STATE	100			1	5 6 10 11		1
Haul to Western Metals	Truck Dump 16 Ton Payload	Note 1		Day						10.00		1500000	- 100				12.56	Day	1,72
Truck Driver	Truck driver, Heavy	Trhy		5 HR						1000	1	1 1 1 1 1 1	100		100	1 - 18	100.4	Hr	5,25
Disposal Costs @ Western Metals				Ton						200						- 46			
Subtotal Storage Tanks (Aboveground single-w	vall steel tanks, assume drain	and disposal at W	estern Meta	ls)															195,61
Fuel Tanks x 2 (Plot A)	Steel Tank, volume = 500 ar			T				10. X (T					1		V a feet				
Fuel Tank (Plot A)	Steel Tank, volume = 10,000		15 110			100			1000					A LANGE	100	-		991	
Steel Tanks x 2 (Plot F)	Steel Tank, volume = 4,000		7. 19			Marian III	T. 100 7.		1 - 1										
				_				_	_										. The same of the
ruer rank (d) P-4 Purilip Station															1	11-00			
Fuel Tank @ P-4 Pump Station Fuel Tank @ P-5 Pump Station	Steel Tank, volume = 3,200	gallon						-								- 81			
Fuel Tank @ P-5 Pump Station	Steel Tank, volume = 3,200 Steel Tank, volume = 4,000	gallon gallon	80	) FA			-								2		2	EA	160
	Steel Tank, volume = 3,200 Steel Tank, volume = 4,000 500 gal tank	gallon		D EA										2	-			EA EA	160
Fuel Tank @ P-5 Pump Station Remove Sludge, water remaining produc	Steel Tank, volume = 3,200 Steel Tank, volume = 4,000 500 gal tank 3000 gal to 5000 gal tank	gallon gallon 02 65 10.30 0813 02 65 10.30 0300	266											-	4		4	EA EA	1,06-
Fuel Tank @ P-5 Pump Station Remove Sludge, water remaining product Remove Sludge, water remaining product Remove Sludge, water remaining product	Steel Tank, volume = 3,200 Steel Tank, volume = 4,000 c 500 gal tank c 3000 gal to 5000 gal tank c 9000 gal to 12000 gal tank	gallon gallon 02 65 10.30 0813 02 65 10.30 0300 02 65 10.30 0310	266	6 EA						1/3 x 18.2	200 (fuel tan	ks only)			4		4	EA EA	1,06 33 40,04
Fuel Tank @ P-5 Pump Station Remove Sludge, water remaining product Remove Sludge, water remaining product	Steel Tank, volume = 3,200 Steel Tank, volume = 4,000 c 500 gal tank c 3000 gal to 5000 gal tank c 9000 gal to 12000 gal tank Assume 1/3 ea tank volume	gallon gallon 02 65 10.30 0813 02 65 10.30 0300 02 65 10.30 0310	266 330 6.60	6 EA						1/3 x 18,2	200 (fuel tan	ks only)			1		6066.6	EA EA	1,06 33 40,04
Fuel Tank @ P-5 Pump Station Remove Sludge, water remaining produc Remove Sludge, water remaining produc Remove Sludge, water remaining produc Dispose of Sludge Off-site, Avg	Steel Tank, volume = 3,200 Steel Tank, volume = 4,000 c 500 gal tank 3000 gal to 5000 gal tank c 9000 gal to 12000 gal tank Assume 1/3 ea tank volume 3000 gal to 5000 gal tank	gallon gallon 02 65 10.30 0813 02 65 10.30 0300 02 65 10.30 0310 02 65 10.30 0390 02 65 10 30 1023	266 330 6.60 780	6 EA 0 EA 0 GAL 0 Ea.						1/3 x 18,2	200 (fuel tan	ks only)			1		6066.6	EA EA GAL	1,06
Fuel Tank @ P-5 Pump Station Remove Sludge, water remaining produc Remove Sludge, water remaining produc Remove Sludge, water remaining produc Dispose of Sludge Off-site, Avg Haul Tank to certified salvage, 100 mile:	Steel Tank, volume = 3,200 Steel Tank, volume = 4,000 c 500 gal tank 3000 gal to 5000 gal tank c 9000 gal to 12000 gal tank Assume 1/3 ea tank volume 3000 gal to 5000 gal tank	gallon gallon 02 65 10.30 0813 02 65 10.30 0300 02 65 10.30 0310 02 65 10.30 0390 02 65 10 30 1023	266 330 6.60 780	6 EA 0 EA 0 GAL 0 Ea.						1/3 x 18,2	200 (fuel tan	iks only)			1		6066.6	EA EA GAL EA	1,06 330 40,04 3,12 1,05
Fuel Tank @ P-5 Pump Station Remove Sludge, water remaining produc Remove Sludge, water remaining produc Remove Sludge, water remaining produc Dispose of Sludge Off-site, Avg Haul Tank to certified salvage, 100 miles Haul Tank to certified salvage, 100 miles	Steel Tank, volume = 3,200 Steel Tank, volume = 4,000 c 500 gal tank 3000 gal to 5000 gal tank c 9000 gal to 12000 gal tank Assume 1/3 ea tank volume 3000 gal to 5000 gal tank	gallon gallon 02 65 10.30 0813 02 65 10.30 0300 02 65 10.30 0310 02 65 10.30 0390 02 65 10 30 1023	266 330 6.60 780	6 EA 0 EA 0 GAL 0 Ea.						1/3 x 18,2	200 (fuel tan	ks only)			1		6066.6	EA EA GAL EA	1,06 33 40,04 3,12 1,05
Fuel Tank @ P-5 Pump Station Remove Sludge, water remaining produc Remove Sludge, water remaining produc Remove Sludge, water remaining produc Dispose of Sludge Off-site, Avg Haul Tank to certified salvage, 100 miles Haul Tank to certified salvage, 100 miles Subtotal	Steel Tank, volume = 3,200 Steel Tank, volume = 4,000 c 500 gal tank 3000 gal to 5000 gal tank c 9000 gal to 12000 gal tank Assume 1/3 ea tank volume 3000 gal to 5000 gal tank	gallon gallon 02 65 10.30 0813 02 65 10.30 0300 02 65 10.30 0310 02 65 10.30 0390 02 65 10 30 1023	266 330 6.60 780	6 EA 0 EA 0 GAL 0 Ea.						1/3 x 18,2	200 (fuel tan	iks only)			1		6066.6	EA EA GAL EA	1,06 33 40,04 3,12 1,05
Fuel Tank @ P-5 Pump Station Remove Sludge, water remaining produc Remove Sludge, water remaining produc Remove Sludge, water remaining produc Dispose of Sludge Off-site, Avg Haul Tank to certified salvage, 100 miles  Subtotal  Concrete Demolition	Steel Tank, volume = 3,200 Steel Tank, volume = 4,000 c 500 gal tank 3000 gal to 5000 gal tank c 9000 gal to 12000 gal tank Assume 1/3 ea tank volume 3000 gal to 5000 gal tank	gallon gallon 02 65 10.30 0813 02 65 10.30 0300 02 65 10.30 0310 02 65 10.30 0390 02 65 10 30 1023	266 330 6.60 780	6 EA 0 EA 0 GAL 0 Ea.						1/3 x 18,2	200 (fuel tan	ks only)			1		6066.6	EA EA GAL EA	1,06 33 40,04 3,12 1,05
Fuel Tank @ P-5 Pump Station Remove Sludge, water remaining produc Remove Sludge, water remaining produc Remove Sludge, water remaining produc Dispose of Sludge Off-site, Avg Haul Tank to certified salvage, 100 mile: Haul Tank to certified salvage, 100 mile: Subtotal Concrete Demolition Demolition Cost	Steel Tank, volume = 3,200 Steel Tank, volume = 4,000 c 500 gal tank 3000 gal to 5000 gal tank c 9000 gal to 12000 gal tank Assume 1/3 ea tank volume 3000 gal to 5000 gal tank	gallon gallon 02 65 10.30 0813 02 65 10.30 0300 02 65 10.30 0310 02 65 10.30 0390 02 65 10 30 1023	266 330 6.60 780	6 EA 0 EA 0 GAL 0 Ea.						1/3 x 18,2	200 (fuel tan	iks only)			1		6066.6	EA EA GAL EA	1,06 33 40,04 3,12 1,05
Fuel Tank @ P-5 Pump Station Remove Sludge, water remaining produc Dispose of Sludge Off-site, Avg Haul Tank to certified salvage, 100 mile: Haul Tank to certified salvage, 100 mile: Subtotal  Concrete Demolition Demolition Cost Concrete's Vol. Demolished	Steel Tank, volume = 3,200 Steel Tank, volume = 4,000 c 500 gal tank 3000 gal to 5000 gal tank c 9000 gal to 12000 gal tank Assume 1/3 ea tank volume 3000 gal to 5000 gal tank	gallon gallon 02 65 10.30 0813 02 65 10.30 0300 02 65 10.30 0310 02 65 10.30 0390 02 65 10 30 1023	266 330 6.60 780	6 EA 0 EA 0 GAL 0 Ea.						1/3 x 18,2	200 (fuel tan	iks only)			1		6066.6	EA EA GAL EA	1,06 33 40,04 3,12 1,05
Fuel Tank @ P-5 Pump Station Remove Sludge, water remaining produc Remove Sludge, water remaining produc Remove Sludge, water remaining produc Dispose of Sludge Off-site, Avg Haul Tank to certified salvage, 100 miles Haul Tank to certified salvage, 100 miles  Subtotal  Concrete Demolition Demolition Cost Concrete's Vol. Demolished Loading Cost	Steel Tank, volume = 3,200 Steel Tank, volume = 4,000 c 500 gal tank 3000 gal to 5000 gal tank c 9000 gal to 12000 gal tank Assume 1/3 ea tank volume 3000 gal to 5000 gal tank	gallon gallon 02 65 10.30 0813 02 65 10.30 0300 02 65 10.30 0310 02 65 10.30 0390 02 65 10 30 1023	266 330 6.60 780	6 EA 0 EA 0 GAL 0 Ea.						1/3 x 18,2	200 (fuel tan	ks only)			1		6066.6	EA EA GAL EA	1,06- 339 40,04 3,129
Fuel Tank @ P-5 Pump Station Remove Sludge, water remaining produc Remove Sludge, water remaining produc Remove Sludge, water remaining produc Dispose of Sludge Off-site, Avg Haul Tank to certified salvage, 100 mile: Haul Tank to certified salvage, 100 mile:  Subtotal  Concrete Demolition Demolition Cost Concrete's Vol. Demolished Loading Cost Transportation Cost	Steel Tank, volume = 3,200 Steel Tank, volume = 4,000 c 500 gal tank 3000 gal to 5000 gal tank c 9000 gal to 12000 gal tank Assume 1/3 ea tank volume 3000 gal to 5000 gal tank	gallon gallon 02 65 10.30 0813 02 65 10.30 0300 02 65 10.30 0310 02 65 10.30 0390 02 65 10 30 1023	266 330 6.60 780	6 EA 0 EA 0 GAL 0 Ea.						1/3 x 18,2	200 (fuel tan	ks only)			1		6066.6	EA EA GAL EA	1,06- 33( 40,04) 3,12( 1,05)

Note 1: Based on RS Means equipment rental costs for 16 ton, three axle dump truck, 12 CY payload, 400 HP; per DOGM using monthly rent/176 hrs/mo to obtain hourly rate (\$17.19/hr).

Note 2: Material densities based on Central Contra Costa Solid Waste Authority Weight Conversion Table (http://www.wastediversion.org/files/managed/Document/230/Weight-Conversion-Table%20\_Generic.pdf).

ef.	Description	Materials	Means Reference Number (2011)	Unit Cost	Unit	Length	Width	Height		Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Mixed Structures (steel, concrete, resil	lite)					1 3														
	Vehicle Maintenance Facility (Plot A)		02 41 16.13 0100	0.22	CF	120		30	30					-	-				216,000.00	CE	71,28
10 11	Maintenance Supply Building (Plot B)		02 41 16.13 0100			60		10	15				-			-		-	36,000.00		11,880
	Warehouse/Mill/Bulk Salt Storage (Ple		02 41 16.13 0100			440			40		-	_			1		-		2,640,000.00		871,200
	Training of the same of the sage pro-		02 41 10:10 0100	0.00	101	440	1	00	40				160		1				2,040,000.00	01	071,20
	Deduct 50% no interior walls (Note 1)							1 12 3													-4158
	Material Breakdown							+							1200	1000					
	Steel (assume 30%)										1777				TOUR		F 1/18				
	39 miles to Western Metals		F 1 2										La February								
1	Total Volume of Materials										100	Gar II II	1 75 1		The same		1000		867,600.00	CF	
100	Volume of Debris		100 mg			1									11-22		1	0.3			
	Weight of Debris (Note 3)	- 12, 11 H 12/4"												3:	5	19.00	lb/cf			Tons	1
	No. of Trips - 16 Tons			1			2.5								10	100	1 19.0			Trip	
	Round trip haul time (beyond 20 miles as	ssumed by means)		0.50	HR		1,711				10/4		TOTAL CO.	7 7 7 7	11.00				CLE DE L		
	Haul to Western Metals	Truck Dump 16 Ton F	Note 2											100000	Faya		13 B		17.79	Day	2,446
1	Truck Driver	Truck driver, Heavy	Trhy								1				1 7 0	A COMMO	The same		142.34		7,437
	Disposal Costs @ Western Metals				Ton														19		
	Other Material (assume 70%)		7.0				1200				170.			1 1	T WY						
	32 miles to Tooele County Landfill	1 1 2 10 0 1		P. Carrier			117					1		7 7 7 7 7	- 100						and the state of t
	Total Volume of Materials	- Lucas Sancar	1.00		Lac 3	79	100								12000				2,024,400.00	CF	
	Volume of Debris											- 1		- 23.00	1000	5 - 15		0.3	607,320.00	CF	150
	Weight of Debris (Note 3)					1-1								35	5		lb/cf		10,628	Tons	
	No. of Trips - 16 Tons											7 (0)	The last care				100		664	Trip	
	Round trip haul time (beyond 20 miles ass	sumed by means)		0.50	HR								1 1 8								
0.0	Haul to Tooele County Landfill	Truck Dump 16 Ton F	Note 2												L Barr				41.52		5,708
	Truck Driver	Truck driver, Heavy	Trhy										- FAR						332.13	Hr	17,354
	Disposal Costs @ Tooele County Landfill			6.50	\$/CY		11-2			1	- 11			1 5 65					22,493.33	CY	146,207
	Subtotal																				1,091,933
	Tabl																				
	Total																				1,091,933

Note 1: The vehicle maintenance facility and maintenance supply building have no interior walls.

Note 2: Based on RS Means equipment rental costs for 16 ton, three axle dump truck, 12 CY payload, 400 HP; per DOGM using monthly rent/176 hrs/mo to obtain hourly rate (\$17.19/hr).

Note 3: Material densities based on Central Contra Costa Solid Waste Authority Weight Conversion Table (http://www.wastediversion.org/files/managed/Document/230/Weight-Conversion-Table%20\_Generic.pdf).

Description of.		Materials	Means Reference Number (2011)	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
Training Build	ling	Wood	02 41 16.13 0700		0.33 CF	4	5 4	5 15	5	-	- 2.6	-				F	20100	30.375.00	CF	10,02
Paved Truck I	Parking	Bituminous road, 3" thick	02 41 13.17 5010		5.20 SY	13	5 8	5								Y	10012	11,475.00	SY	59.67
Pipe at Pump	Station P-4	2x HDPE pipe, 2'ODx40 ft	02 41 13,38 1900		7.05 LF	4					1000	-				2 F		80.00	LF	59,67 56
Pipe at Pump	Station P-5	metal pipe, 3'ODx200 ft	02 41 13.38 1200		25.00 LF	20	0				14 15 15					F		200.00	LF	5,00
Disposal Costs -	- Wood Building, HDPE	Pipe, and Asphalt																		
32 miles to Tooele																	- F-12			
Volume of Asphal	It (Note 1)				7					17.							1.3	3 33,564,38	CF	-
Volume of HDPE	Pipe (Note 2)						100											1 251.20		
Volume of Debris	from Wood Building Den	10	The state of the s									100					0:	9.112.50		
Weight of Debris													35		- 0	lb/cf			Tons	
No. of Trips - 16 T																1000	7.55		Trip	
Round trip haul tir	me (beyond 20 miles ass	umed by means)			0.50 HR										1	7 7 7 7	1 5	-		
Haul to Tooele Co		Truck Dump 16 Ton Payload	Note 2		37.50 Day									1				2.93	Day	40
Truck Driver		Truck driver, Heavy	Trhy		52.25 HR							7		- ALCOY	E C E		179	23.48		1.22
Disposal Costs @	Tooele County Landfill				6.50 \$/CY			14	7	- 65	200				1 Be 2 Co			337.50		2,19
Subtotal																				79,08
Concrete Demoliti	ion				7 75					-		-								
Demolition Cost					File Control				1000		U. PART		THE PARTY NAMED IN					1 2 2 2 2		
Concrete's Vol. D	emolished										3 1 1 1 1 1 1		E I TON	1336	A PUBLISHED			100	THE	
Loading Cost	MARCHAELLE DESKY						1.0			1					1 1 1 1 1			1 12 V		E Production
Transportation Co	ost									( - T)		in the same		THE PARTY	The Park					
Disposal Costs							100				12	1000				1000		1		
Subtotal																				
Total																				79,082

Note 1: # SY of asphalt x 9 SF/SY x 3" thick x 1.3 (swell factor)
Note 2: Volume of each HDPE pipe is 125.6 CF; assume pipe is cut to lengths for disposal but not crushed
Note 3: Material densities based on Central Contra Costa Solid Waste Authority Weight Conversion Table (http://www.wastediversion.org/files/managed/Document/230/Weight-Conversion-Table%20\_Generic.pdf).

Description	Materials	Means Reference Number (2011)	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
Building Foundations				1119				T			T								
Maintenance Supply Building (Plot	t B) Concrete demo	DOGM cost	11.	38 CY	60.00	40.00	0.5	5						The state of	F		44.44	CY	505.7
Warehouse/Mill/Bulk Salt Storage		DOGM cost	11.	38 CY	440.00	150.00	0.5	5		T PI Common					F		1,222.22	CY	13,908.8
Vehicle Maintenance Facility (Plot	(A) Concrete demo	DOGM cost	11.	38 CY	120.00	60.00	0.5	5					(2000)		F		133.33		1,517.3
Washplant (Plot D)	Concrete demo	DOGM cost	11.	38 CY	60.00	20.00	0.5	5						The state of the s	F		22.22		252.8
Bag Storage Building (Plot B)	Concrete demo	DOGM cost	11.	38 CY	80.00	55.00				1.2	The same of the				F		81.48		927.2
Truck Loading/Office (Plot B)	Concrete demo	DOGM cost	11.	38 CY	108.00	34.00	0.5	5	- 1						F		68.00	CY	773.8
Washplant Control Room (Plot D)	Concrete demo	DOGM cost	11.	38 CY	10.00	10.00	0.5	5							F		1.85	CY	21.0
Fire/Process Water Pump Station	(Plot B) Concrete demo	DOGM cost	11.	38 CY	10.00	10.00	0.5	5							F		1.85	CY	21.0
Concrete foundation (previous office	ice south of ba Concrete demo	DOGM cost	11.	38 CY	70.00	35.00	0.5	5			1 4				F		45.37	CY	516.3
Misc Concrete				-		1 2													
Grizzly concrete pad (Plot C)	Concrete demo	DOGM cost	11.	38 CY	60	0.5		5							F		5.56	CY	63.2
Tarping Station (Plot B)	Concrete demo	DOGM cost	11.	38 CY	15	3		1	1000						2 F		13.33	CY	151.7
Outside Storage (Plot B)	Concrete demo	DOGM cost	11.	38 CY	20	20	0.5	5							F		7.41	CY	84.3
Truck Dock at Bag Storage Buildin	ng (Plot B) Concrete demo	DOGM cost	11.	38 CY	15	7		1							F		15.56	CY	177.0
Secondary Containment (fuel tank	(s - plot A) Concrete demo	DOGM cost	11.	38 CY	41	15	0.5	5	1.5		A SUPE	- 12			F		11.11	CY	126.4
Secondary Containment (Pump P-	-4) Concrete demo	DOGM cost	11.	38 CY	10	14	0.5	5							F		2.59	CY	29.5
Secondary Containment & bldg (P	Pump P-5) Concrete demo	DOGM cost		38 CY	10	14				Service .	0.000				F		2.59	CY	29.5
Truck Loading Ramp (Plot F)	Concrete demo	DOGM cost	11.	38 CY	2	21			158						F		8.17	CY	92.9
Pad for Steel Tanks (Plot F)	Concrete demo	DOGM cost	11.	38 CY	41						-77.50	201		1 1 1 1 1 1 1	F	_	21.33	CY	242.7
Concrete Gate Structure (P4 Pumi	p Station) Concrete demo	DOGM cost	11	38 CY	51				100		100000000000000000000000000000000000000			THE PERSON NAMED IN	F		27.93	CY	317.8
Concrete Gate Structure (P4 Pumi	p Station) Concrete demo	DOGM cost		38 CY	21				-	177.3	1000		9		F		2.59	CY	29.5
Concrete Gate Structure (P4 Pum)	p Station) Concrete demo	DOGM cost	11.	38 CY	1	14			-	199					F		4.41	CY	50.1
Concrete Gate Structure (P5 Pump	p Station) Concrete demo	DOGM cost	11.	38 CY	11	32				100	U STATE OF		-		F		75.85	CY	863,1
Concrete Gate Structure (P5 Pump	p Station) Concrete demo	DOGM cost	11.	38 CY	11				178						F		9.48	CY	107.9
Concrete Gate Structure (P5 Pump	p Station) Concrete demo	DOGM cost	11.	38 CY	14	24	0.66	3					777		F	1	8.21	CY	93.4
Concrete's Vol. After Demolition		2 2 2 2		1000		-		1			100					1.	3 2,387.97	CY	
Disposal on site (Note 1)		02 41 16.17 4200	8.	25 \$/CY				Sa Lat									2,387.97	CY	19,700.7
Subtotal																			40,604.6
Total																			40,604.6

Note 1: Cargill is the landowner for the plant site, so disposal on site would be allowed.

Description	Materials	Means Reference Number (2011)	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell	Quantity	Unit	Cost
Rail Spur			50.0	OLF	3000			-							LF		3,000.00	LF	150,00
Pad Mounted Transformer		Note 2		0 EA				17.75		100	- Carlos			2 2 3 3	1 EA			EA	Bellin
Power Lines (excl. service to MagCor	p)	Note 2		0 LF	2250	)			61 717		-				LF			LF	- 17
Subtotal																			150,00
Concrete Demolition			The state of			7	-	1											
Demolition Cost	C Parallel Control									13 1000	1000								
Concrete's Vol. Demolished			1 1 1 1					100	N. P. P.	Service Control									
Loading Cost																			- Tilling
Transportation Cost																	F 107 / 6 192		
Disposal Costs	A MARKET NEW YORK OF THE PARKET NEW YORK OF T		31.5	1000			9												
Subtolal																			
Total																			150,00

Note 1: Buried gas and water lines to be left in place and capped. Fuel right-of-way not included in reclamation.

Note 2: Based on quote from Halverson Company; includes removal of rail, ties, grading, and transport/recycling of rail.

Note 3: According to Rocky Mountain Power, the utility would remove the power lines and transformer for a facility being demolished.

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
Open wooden gates to allow natural erosion															2,683
Rip/remove salt stockpiles											1135				107,466
Regrade disturbed areas		39					12/12/2								56,954
Topsoil for salt stack area							At a			20 Par					391,414
Total										2.72					558,517

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
						a la serie				100					
Open wooden gates to allow natural erosion			10.52			9		To all		3 11	E 6 3 4 5 5				
Open all wooden gates	TIME IA					7 101	-		24.00	gates					2,68
Remove salt stockpiles		The second		The state of									STALL ST		
Remove salt stockpiles in Plot C and F		ATT AND A					ice de	ECT TENE	31.24	acres					
Rip Plot C and F salt stockpiles		9 3							31.24	acres			200		
Regrade disturbed areas									2.74						
Regrade dirt roads/disturbed area at Plot A		176 H. T.	- 11V   12   12   1	10.70	100				3.20	acres					
Regrade dirt roads/disturbed area at Plot B							The same of	N 1.36	11.61	acres		D DEEP			
Regrade dirt roads/disturbed area at Plot C		and the same of	- 10				E ME ST			acres					17
Regrade dirt roads/disturbed area at Plot D		7.4								acres			Teams (C)		
Regrade dirt roads/disturbed area at Plot F			14-74- SL	The second					1.60	acres		1000			
									50.85	acres	Total disturbe	ed area			
Topsoil for salt stack area														10.00	74.74
Topsoil to cover Plot C, 1.6 acre Plot F to 12"		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L D.C.S.Priv.	10			1 1 1 1 1 1 E E E			acres					
Topsoil excavation/loading									50,401						
Topsoil transportation, 7 miles one way (assume 20 miles)									50,401				100000		The same
Topsoil, spread dumped material, no compaction			2						50,401	CY	1 100				
Total															2,68

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
		LIGHT.	2 7 30				In the	- 50	4 7 1	Light Jo					
Open wooden gates to allow natural erosion			1000				-		-						
Open all wooden gates									24.00	gates					
Laborer (1)				52.70		1	52.7	\$/hr	40.00	hours					2,108
Pickup truck, 3/4 ton (1)	115.06					1	115.06	\$/day	5.00	days	( No. 40)	Entre Carl	- 353	200	575
				137					7.72.00				- 7 7 2	ALUX A	
		104					A - YE F								
Total														Total	2,683

<sup>(1)</sup> Means 2011, Crews breakdown

Equipment Cost	Hourly Operating Costs		Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Means Reference Number	Cost	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Units	Cost
100								31.24	acre								
	The same of the sa		52.70		2	105.40	\$/hr	4	week	Means 2011							16,86
			67.75		2	135.50	\$/hr	4	week	Equip. Op. (med.) Means 2011							21,68
					1					Means 2011 - 5.5 CY Loader					Signal III		20,53
					1	2315.50	\$/day	4	week	Means 2011 - 410 HP dozer		1000			HE WAR SKI		46,31
					1	103.84	\$/day	4	week	Means 2011							2,07
																- 1-9	
											1			-			8
																Total	107,46
		Equipment Operating	Equipment Operating Equipment Overhead	Equipment Operating Costs Overhead Vage Rate  Cost Costs Overhead Vage Rate  52.70 67.75	Equipment Costs Operating Equipment Overhead Wage Rate Cost S2.70 67.75	Equipment Cost	Equipment Cost	Equipment Cost	Equipment Cost	Equipment Cost	Equipment Cost	Equipment Cost	Equipment Cost	Equipment Cost	Equipment Cost	Equipment Cost	Equipment   Operating   Cost   Cost

<sup>1.</sup> Time based on daily output of 7,500 BCY per day.

	Equipment Cost	Hourly Operating Costs	Equipment Overhead	Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Labor	Reference	Cost	Units	Cost
					di-			1 609	Sini Su	-		35,112					
Regrade disturbed areas			4-1-11		1877					( b ///	0.007923						
Regrade dirt roads/disturbed area at Plot A	Carlo Carlo								3.20	acres							
Regrade dirt roads/disturbed area at Plot B						-			11.61	acres			E TO RW				
Regrade dirt roads/disturbed area at Plot C			1000	15		7/			29.64	acres	A PARTIE AND A						
Regrade dirt roads/disturbed area at Plot D	THE PERSON NAMED IN								4.80	acres							
Regrade dirt roads/disturbed area at Plot F		112	TABLE !						1.60	acres	100						
					54					acres	Total disturb	ed area					
		2 1 1 3 1	1930					- 2					1000				
Operator				67.75	- P	1	67.75	\$/hr	50	day				Equip. Op. (med.) Means 2011			27,10
Grader	597.08		100			1	597.08			day	31 21			30,000 lb grader, Means 2011			29,85
									1/9		10.3						
IS ON THE PROPERTY OF THE PARTY						199				-	1 1 1 1 1 1 1					A CO	
			100		77.5							197	0.00				
	- Net 1377	711111111111111111111111111111111111111		34.1								- 9					
		9 9		PART BUT						77		1				1 2 2 -1	
			1000										10.77		- 64		311 345
			1000						The same						100		
					100						12.13			DESCRIPTION OF THE PERSON OF T			
							1				1			STITLE OF STATE			allege I
								7			100		7	Service Control			
																Total	56,95

	Equipment Cost	Hourly Operating Costs		Operator's Hourly Wage Rate	Hourly Cost	Number of Men or Eq.	Total Eq. & Lab. Costs	Units	Quantity	Units	Production Rate	Units	Equip. + Labor Time/Dis.	Means Reference Number	Unit Cost	Units	Cost
			200			1111	4			1/8/5				STATE AND A			
Topsoil for salt stack area		7.1		The Third													
Topsoil to cover Plot C, 1.6 acre Plot F to 12"										acres	9						
Topsoil excavation/loading					100	2			40,321		I SELLO			31 23 23.15 4070		BCY	22,983
Topsoil transportation, 7 miles one way				9			129		50,401	CY				31 23 23.20 4080	5.40		272,165
Topsoil, spread dumped material, no compaction									50,401	CY	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1100		31 23 23.17 0020	1.91	LCY	96,266
			13 77							-							
										100			365				Street Town
		1 10	T														
										II. TEALS.			OF THE R	TO SERVICE AND			
		1/2 1/2															
					120				1000			36		Parallel Control			
	S. T. S. T.								200	144		DESITTLEY	7 - 1	SECTION SECTION			
	We will										La Company	Link u					100
	The Control										0.000						
		183															
					-1				13.57. 0		177						
	Part Barrier						3 1								Table 1- St.		
																Total	391,414

<sup>(1)</sup> Assumes 25% swell factor.

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor		Unit	Cost
	Seeding Costs - Facility reclaimed area	Std vegetation costs (Note 1)	7-14-12-12-12-12-12-12-12-12-12-12-12-12-12-	100	0 ACRE					50.9				1		1 2 3 3 3			ACRE	50,900
	Seeding Costs - Borrow area	Std vegetation costs (Note 1)			0 ACRE					12.6			1 10 100				100	12.6	ACRE	12,600
9	Reseeding (assume 25%)	Std vegetation costs (Note 1)		100	0 ACRE					15.875							100	15.875	ACRE	15,875
3									1			3//3/								
	Total																			79,375

Note 1: Based on DOGM standard unit costs